

Protocol Document Update

March 31, 2004

Changes

- Tables 1 and 2
- Appendices I and M Completed
- Quality Assurance

Table 1 Changes

- Add - Aluminum, Calcium, Magnesium
Vanadium, Silicon, Potassium, MTBE, MEK
- Delete – Ethylene, Propylene, Hexane
- Move to Table 2 – Dichloroethane (EDC)

Table 2 Changes

- Moved - MTBE to Table 1
- Deleted - Methyl Chloride
- Added– Dichloroethane from Table 1

Appendices

- Appendix I-Method Description for Sampling and Analysis of Toxic Metals by Ion Coupled Plasma/Mass Spectrometry (IO 3.5)
- Appendix M-Method Description for Sampling and Analysis of VOCs by GC/MS (TO -15)

Quality Assurance

- AQMD Conducted Flow Audits
- California Air Resources Board Flow audits
- Annual CARB audits related to PM2.5 and PM10 Mass Measurement Systems
- U.S. EPA VOC and Carbonyl Annual Audit
- CARB Toxic VOCs Audit
- CARB Whole Air Audit (Round Robin)

Quality Assurance

- U.S.EPA Semi-Annual Lead (Pb) Audit
- Collocated PM10 at Rubidoux
- Collocated VOC (Xontec 910) at Pico Rivera
- CARB Through the Probe Audit (VOCs)

National and State Quality Control Programs

| Title | Oversight Agency | Frequency | Analytes |
|--|------------------|-----------------------------|--|
| 2.5 Room Audit | CARB for USEPA | Annual Onsite inspection | Temperature, Humidity, Mass and documentation specifications from CFR are followed |
| National Performance Audit Program for VOCs | USEPA | Annual | Up to 57 HC-low ppb level |
| National Performance Audit Program for Carbonyls | USEPA | Annual | 3 compounds |
| Lead Audit Program | USEPA | 3-4/year | Lead |
| NMHC Lab Performance Audit | CARB | Semi-Annual | Up to 57 HC-low ppb level |
| Toxic Organics Lab Performance Audit | CARB | Semi-Annual | 26 HC-low ppb level |
| Ambient Air NMHC Inter-Laboratory Comparison Check | CARB | Annual | Up to 57 HC-low ppb level |
| Through the Probe NMHC Performance Audit | CARB | Annual | Up to 57 HC-low ppb level |